

Table C37A. Total District Heat Consumption and Expenditures for All Buildings, 2003

	All Buildings Using District Heat			District Heat Consumption	District Heat Expenditures
	Number of Buildings (thousand)	Floorspace (million square feet)	Floorspace per Building (thousand square feet)	Total (trillion Btu)	Total (million dollars)
All Buildings	67	5,576	83	636	7,279
Building Floorspace (Square Feet)					
1,001 to 5,000	Q	Q	Q	Q	Q
5,001 to 10,000	Q	Q	Q	Q	Q
10,001 to 25,000	18	289	16	Q	Q
25,001 to 50,000	10	369	35	Q	Q
50,001 to 100,000	8	574	70	Q	Q
100,001 to 200,000	9	1,399	148	165	Q
200,001 to 500,000	4	1,018	286	123	Q
Over 500,000	2	1,826	827	171	1,843
Principal Building Activity					
Education	26	1,145	45	134	Q
Food Sales	N	N	N	N	N
Food Service	Q	Q	Q	Q	Q
Health Care	2	493	Q	Q	Q
Inpatient	1	436	563	Q	Q
Outpatient	Q	Q	Q	Q	Q
Lodging	6	345	Q	Q	Q
Mercantile	Q	Q	Q	Q	Q
Retail (Other Than Mall)	Q	Q	Q	Q	Q
Enclosed and Strip Malls	Q	Q	Q	Q	Q
Office	16	1,569	97	128	1,441
Public Assembly	6	547	89	Q	Q
Public Order and Safety	Q	Q	Q	Q	Q
Religious Worship	Q	Q	Q	Q	Q
Service	Q	Q	Q	Q	Q
Warehouse and Storage	Q	Q	Q	Q	Q
Other	Q	Q	Q	Q	Q
Vacant	Q	Q	Q	Q	Q
Year Constructed					
Before 1920	6	294	46	Q	Q
1920 to 1945	12	1,207	99	129	1,423
1946 to 1959	15	705	49	Q	Q
1960 to 1969	13	853	64	117	Q
1970 to 1979	6	588	101	77	Q
1980 to 1989	5	888	192	Q	Q
1990 to 1999	8	705	87	Q	Q
2000 to 2003	Q	Q	Q	Q	Q
Census Region and Division					
Northeast	18	1,496	85	166	2,169
New England	Q	Q	Q	Q	Q
Middle Atlantic	12	1,082	90	Q	Q
Midwest	13	1,648	126	225	2,329
East North Central	8	1,420	189	192	Q
West North Central	Q	Q	Q	Q	Q
South	21	1,766	83	182	Q
South Atlantic	15	1,243	86	117	Q
East South Central	Q	Q	Q	Q	Q
West South Central	Q	Q	Q	Q	Q
West	15	667	44	Q	Q
Mountain	7	253	35	Q	Q
Pacific	8	413	53	Q	Q

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All Buildings	67	5,576	83	636	7,279
Climate Zone: 30-Year Average					
Under 2,000 CDD and --					
More than 7,000 HDD	6	825	131	88	Q
5,500-7,000 HDD	27	1,917	71	257	Q
4,000-5,499 HDD	13	1,349	100	140	Q
Fewer than 4,000 HDD	13	1,025	78	101	Q
2,000 CDD or More and --					
Fewer than 4,000 HDD	7	460	65	Q	Q
Number of Establishments					
One	45	3,063	68	384	4,361
2 to 5	15	1,301	85	156	Q
6 to 10	Q	Q	Q	Q	Q
11 to 20	Q	Q	Q	Q	Q
More than 20	1	569	673	Q	Q
Currently Unoccupied	Q	Q	Q	Q	Q
Energy Sources (more than one may apply)					
Electricity	67	5,576	83	636	7,279
Natural Gas	25	2,577	104	306	3,611
Fuel Oil	5	1,864	403	179	1,993
District Heat	67	5,576	83	636	7,279
Energy End Uses (more than one may apply)					
Buildings with Space Heating	67	5,511	82	635	7,276
Buildings with Cooling	55	4,786	87	536	6,112
Buildings with Water Heating	61	4,764	78	525	6,018

See "Guide to the Tables" or "Glossary" for further explanations of the terms used in this table. Both can be accessed from the CBECS web site <http://www.eia.doe.gov/emeu/cbeecs>.

Q=Data withheld because the Relative Standard Error (RSE) was greater than 50 percent, or fewer than 20 buildings were sampled.

N=No responding cases in sample that use district heat.

Notes: • Statistics for the "Energy End Uses" category represent total consumption in buildings that have the end use, not consumption specifically for that particular end use. • Due to rounding, data may not sum to totals.

Source: Energy Information Administration, Office of Energy Markets and End Use, Forms EIA-871A, C, and E of the 2003 Commercial Buildings Energy Consumption Survey.

Table C38A. District Heat Consumption and Expenditure Intensities for All Buildings, 2003

	District Heat Consumption		District Heat Expenditures		
	per Building (million Btu)	per Square Foot (thousand Btu)	per Building (thousand dollars)	per Square Foot (dollars)	per Thousand Pounds (dollars)
All Buildings	9,470	113.98	108.4	1.31	11.45
Building Floorspace (Square Feet)					
1,001 to 5,000	Q	Q	Q	Q	Q
5,001 to 10,000	Q	Q	Q	Q	Q
10,001 to 25,000	Q	Q	Q	Q	Q
25,001 to 50,000	Q	Q	Q	Q	Q
50,001 to 100,000	Q	Q	Q	Q	Q
100,001 to 200,000	17,452	118.10	Q	Q	Q
200,001 to 500,000	34,658	121.16	Q	Q	Q
Over 500,000	77,419	93.60	834.8	1.01	10.78
Principal Building Activity					
Education	5,223	116.63	Q	Q	Q
Food Sales	N	N	N	N	Q
Food Service	Q	Q	Q	Q	Q
Health Care	Q	Q	Q	Q	Q
Inpatient	Q	Q	Q	Q	Q
Outpatient	Q	Q	Q	Q	Q
Lodging	Q	Q	Q	Q	Q
Mercantile	Q	Q	Q	Q	Q
Retail (Other Than Mall)	Q	Q	Q	Q	Q
Enclosed and Strip Malls	Q	Q	Q	Q	Q
Office	7,933	81.53	89.4	0.92	11.27
Public Assembly	Q	Q	Q	Q	Q
Public Order and Safety	Q	Q	Q	Q	Q
Religious Worship	Q	Q	Q	Q	Q
Service	Q	Q	Q	Q	Q
Warehouse and Storage	Q	Q	Q	Q	Q
Other	Q	Q	Q	Q	Q
Vacant	Q	Q	Q	Q	Q
Year Constructed					
Before 1920	Q	Q	Q	Q	Q
1920 to 1945	10,610	107.03	116.9	1.18	11.02
1946 to 1959	Q	Q	Q	Q	Q
1960 to 1969	8,787	137.56	Q	Q	Q
1970 to 1979	13,255	131.66	Q	Q	Q
1980 to 1989	Q	Q	Q	Q	Q
1990 to 1999	Q	Q	Q	Q	Q
2000 to 2003	Q	Q	Q	Q	Q
Census Region and Division					
Northeast	9,403	111.22	Q	1.45	13.04
New England	Q	Q	Q	Q	Q
Middle Atlantic	Q	Q	Q	Q	Q
Midwest	17,217	136.50	Q	1.41	10.35
East North Central	25,607	135.33	Q	Q	Q
West North Central	Q	Q	Q	Q	Q
South	8,547	102.81	Q	1.17	11.36
South Atlantic	8,059	94.14	Q	Q	Q
East South Central	Q	Q	Q	Q	Q
West South Central	Q	Q	Q	Q	Q
West	Q	Q	Q	Q	Q
Mountain	Q	Q	Q	Q	Q
Pacific	Q	Q	Q	Q	Q

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All Buildings	9,470	113.98	108.4	1.31	11.45
Climate Zone: 30-Year Average					
Under 2,000 CDD and --					
More than 7,000 HDD	Q	106.35	Q	Q	Q
5,500-7,000 HDD	9,440	133.88	Q	Q	Q
4,000-5,499 HDD	10,354	103.48	128.9	1.29	12.45
Fewer than 4,000 HDD	7,681	98.14	Q	Q	Q
2,000 CDD or More and --					
Fewer than 4,000 HDD	Q	Q	Q	Q	Q
Number of Establishments					
One	8,549	125.34	97.1	1.42	11.36
2 to 5	10,135	119.61	Q	Q	Q
6 to 10	Q	Q	Q	Q	Q
11 to 20	Q	Q	Q	Q	Q
More than 20	Q	Q	Q	Q	Q
Currently Unoccupied	Q	Q	Q	Q	Q
Energy Sources (more than one may apply)					
Electricity	9,470	113.98	108.4	1.31	11.45
Natural Gas	Q	118.88	Q	1.40	11.79
Fuel Oil	38,643	95.96	430.5	1.07	11.14
District Heat	9,470	113.98	108.4	1.31	11.45
Energy End Uses (more than one may apply)					
Buildings with Space Heating	9,496	115.28	108.8	1.32	11.45
Buildings with Cooling	9,719	112.07	110.8	1.28	11.40
Buildings with Water Heating	8,588	110.18	98.5	1.26	11.46

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